



Karan Raj Sharma

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Education

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech.	IIT, Guwahati	8.51 (Current)	2019 - Present
Senior Secondary	CBSE Board	86.4%	2018
Secondary	CBSE Board	9.6	2016

Experience

- **Summer Internship at DevRev** May 2022 - July 2022
DevRev
 - Developed and deployed an end-to-end **video call feature** in app, using **React.js** for frontend and **Golang** for the backend.
 - The feature was deployed in app, and helped the users in real-time interaction without leaving the context of the application.

Projects

- **Interview Preparation Tracker** April 2021
Coding Club, IIT Guwahati
<https://git.io/JlJVp>
 - Developed a **Node.js**-based web application project to help users prepare for interviews by practising and adding topics and questions, and read and write interview experiences.
 - The user database was stored in the **MongoDB** database and multiple dependencies including **Express.js**, **Mongoose**, **EJS**, **Admin-bro** and **Multer** were used.
- **A* Pathfinding Visualizer** July 2021
Personal Project
<https://git.io/JlJwz>
 - Developed a **python visualization** of the A* pathfinding algorithm using Pygame and TKinter, which allows users to pick a start and end location and view the process of finding the shortest path.

Technical Skills

- **Programming Languages:** C/C++, Go, JavaScript, TypeScript, Python*, Java*
 - **Web Technologies:** React, Node.js, Tailwind CSS, Cypress
 - **Database Management:** MySQL, MongoDB
 - **Operating Systems:** Windows, Linux, Mac OS
- * Elementary Proficiency

Key courses taken

- Algorithms and Data Structures
- Database Management Systems
- Probability Theory and Random Processes
- Deep Learning
- Machine Learning
- Computer Organization and Architecture
- Discrete Mathematics
- Formal Languages, Automata Theory and Computation

Position of Responsibility

- **Manager, Disrupt, Udgam 2021 (Annual E-Summit of IITG) :**
 - Played a key role in successful organization and conduction of Disrupt, the **B-Plan competition** under and one of the Flagship events of the Annual E-Summit of IITG.

Achievements

- **JEE (Adv) 2019:** Secured an All India Rank of **510** among **0.16 million** contesting candidates.
- **JEE (Main) 2019:** Secured **99.77 percentile** among **1 million** contesting candidates.
- **Codeforces:** Rating **1681 (Expert)** on codeforces
- **CodeChef:** Rating **2132, 5* Coder** on CodeChef
- **Codeforces Div 2:** Secured a global rank of **475** among **29703** contesting candidates.

Extracurriculars

- Worked as a **Senior Executive at E-Cell, IITG** (2020-2021) which is responsible for organizing various events and activities including the Annual E-Summit, to spread the spirit of entrepreneurship among students.
- Represented IITG in **Inter-IIT Cult Meet 2019** as part of the Fashion Module Contingent, which secured **4th** position among **23** contesting IITs.